

00125US2.ST25.txt
SEQUENCE LISTING

<110> Lind, Peter
Berthold, Malin

<120> Novel G Protein-Coupled Receptor

<130> 00125US2

<150> 60/198,600

<151> 2000-04-19

<160> 12

<170> PatentIn version 3.0

<210> 1

<211> 1540

<212> DNA

<213> Homo sapiens

<400> 1

```

agcctgggccc tgggctcgcc atcccagggt cgctggacta ggatggggga tgggcctgtg      60
acaggaggta ccctgggtgc cctctttcgg cccatggag tcctcaccca tccccagtc      120
atcagggaac tcttcactt tggggagggt ccctcaaacc ccaggtcct ctactgccag      180
tggggctccc gaggtggggc tacgggatgt tgcttcggaa tctgtggccc tcttcttcat      240
gtccctgctg gacttgactg ctgtggctgg caatgccgct gtgatggccg tgatcgccaa      300
gacgcctgcc ctccgaaaat ttgtcttcgt cttccacctc tgcttgggtg acctgctggc      360
tgccctgacc ctcatgcccc tggccatgct ctccagctct gccctctttg accacgccct      420
ctttggggag gtggcctgcc gcctctactt gtttctgagc gtgtgctttg tcagcctggc      480
catcctctcg gtgtcagcca tcaatgtgga ggcctactat tacgtagtcc acccatgcg      540
ctacgagggt cgcatgacgc tggggctggt ggcctctgtg ctggtgggtg tgtgggtgaa      600
ggccttgccc atggcttctg tgccagtgtt gggaaagggt tcctgggagg aaggagctcc      660
cagtgtcccc ccaggctgtt cactccagtg gagccacagt gcctactgcc agctttttgt      720
ggtggtcttt gctgtccttt actttctgtt gccctgtctc ctcatacttg tgggtctactg      780
cagcatgttc cgagtggccc gcgtggctgc catgcagcac gggccgctgc ccacgtggat      840
ggagacaccc cggcaacgct ccgaatctct cagcagccgc tccacgatgg tcaccagctc      900
gggggcccc cagaccaccc cacaccggac gtttggggga gggaaagcag cagtggttct      960
cctggctgtg gggggacagt tctgtctctg ttggttgccc tacttctctt tccaccteta      1020
tgttgccctg agtgctcagc ccatttcaac tgggcagggt gagagtgtgg tcacctggat      1080
tggtactctt tgcttcactt ccaacccttt cttctatgga tgtctcaacc ggcagatccg      1140
gggggagctc agcaagcagt ttgtctgctt cttcaagcca gctccagagg aggagctgag      1200
gctgcctagc cgggagggtt ccattgagga gaacttcctg cagttccttc aggggactgg      1260
ctgtccttct gagtctggg tttcccgacc cctaccagc cccaagcagg agccacctgc      1320
tgttgacttt cgaatcccag gccagatagc tgaggagacc tctgagttcc tggagcagca      1380

```

actcaccagc gacatcatca tgtcagacag ctacctccgt cctgccgcct caccgccgct 1440
 ggagtcatga tgggccgctg gacactcgga gggatatggg gctggggcca gttatgattg 1500
 caaggaccac cttgtgggat caccttttcc cagctggcta 1540

<210> 2
 <211> 451
 <212> PRT
 <213> Homo sapiens

<400> 2

Met Glu Ser Ser Pro Ile Pro Gln Ser Ser Gly Asn Ser Ser Thr Leu
 1 5 10 15
 Gly Arg Val Pro Gln Thr Pro Gly Pro Ser Thr Ala Ser Gly Val Pro
 20 25 30
 Glu Val Gly Leu Arg Asp Val Ala Ser Glu Ser Val Ala Leu Phe Phe
 35 40 45
 Met Leu Leu Leu Asp Leu Thr Ala Val Ala Gly Asn Ala Ala Val Met
 50 55 60
 Ala Val Ile Ala Lys Thr Pro Ala Leu Arg Lys Phe Val Phe Val Phe
 65 70 75 80
 His Leu Cys Leu Val Asp Leu Leu Ala Ala Leu Thr Leu Met Pro Leu
 85 90 95
 Ala Met Leu Ser Ser Ser Ala Leu Phe Asp His Ala Leu Phe Gly Glu
 100 105 110
 Val Ala Cys Arg Leu Tyr Leu Phe Leu Ser Val Cys Phe Val Ser Leu
 115 120 125
 Ala Ile Leu Ser Val Ser Ala Ile Asn Val Glu Arg Tyr Tyr Tyr Val
 130 135 140
 Val His Pro Met Arg Tyr Glu Val Arg Met Thr Leu Gly Leu Val Ala
 145 150 155 160
 Ser Val Leu Val Gly Val Trp Val Lys Ala Leu Ala Met Ala Ser Val
 165 170 175
 Pro Val Leu Gly Arg Val Ser Trp Glu Glu Gly Ala Pro Ser Val Pro
 180 185 190
 Pro Gly Cys Ser Leu Gln Trp Ser His Ser Ala Tyr Cys Gln Leu Phe
 195 200 205
 Val Val Val Phe Ala Val Leu Tyr Phe Leu Leu Pro Leu Leu Leu Ile
 210 215 220
 Leu Val Val Tyr Cys Ser Met Phe Arg Val Ala Arg Val Ala Ala Met
 225 230 235 240
 Gln His Gly Pro Leu Pro Thr Trp Met Glu Thr Pro Arg Gln Arg Ser
 245 250 255
 Glu Ser Leu Ser Ser Arg Ser Thr Met Val Thr Ser Ser Gly Ala Pro
 260 265 270
 Gln Thr Thr Pro His Arg Thr Phe Gly Gly Gly Lys Ala Ala Val Val

275

280

Leu Leu Ala Val Gly Gly Gln Phe Leu Leu Cys Trp Leu Pro Tyr Phe
290 295 300

Ser Phe His Leu Tyr Val Ala Leu Ser Ala Gln Pro Ile Ser Thr Gly
305 310 315 320

Gln Val Glu Ser Val Val Thr Trp Ile Gly Tyr Phe Cys Phe Thr Ser
325 330 335

Asn Pro Phe Phe Tyr Gly Cys Leu Asn Arg Gln Ile Arg Gly Glu Leu
340 345 350

Ser Lys Gln Phe Val Cys Phe Phe Lys Pro Ala Pro Glu Glu Glu Leu
355 360 365

Arg Leu Pro Ser Arg Glu Gly Ser Ile Glu Glu Asn Phe Leu Gln Phe
370 375 380

Leu Gln Gly Thr Gly Cys Pro Ser Glu Ser Trp Val Ser Arg Pro Leu
385 390 395 400

Pro Ser Pro Lys Gln Glu Pro Pro Ala Val Asp Phe Arg Ile Pro Gly
405 410 415

Gln Ile Ala Glu Glu Thr Ser Glu Phe Leu Glu Gln Gln Leu Thr Ser
420 425 430

Asp Ile Ile Met Ser Asp Ser Tyr Leu Arg Pro Ala Ala Ser Pro Arg
435 440 445

Leu Glu Ser
450

<210> 3

<211> 1909

<212> DNA

<213> Rattus norvegicus

<400> 3

ggaagcctgg acctgggctt acatcccagg gttgtggagt aggatggggg atgggcctgt 60

aacaggaagt gccctgggtg tcctttttcg gccccatgga gtcctcacc atccccagt 120

catcaggaaa ctcattcact ttgggaaggg cccttcaaac cccagggtccc tctacggcca 180

gcggagtccc agagttggga ctaaggacg tggcttcgga atctgtggcc ctcttcttca 240

tgcttctgtt ggatctcact gctgtggcgg gcaatgctgc tgtgatggct gttattgcca 300

agacaccgc cctccgaaag tttgtttttg tcttccatct ctgtctggtg gacctgctgg 360

ctgccctgac cctcatgccc ctggccatgc tctccagctc tgccctcttt gaccacgccc 420

tctttgggga ggtggcctgc cgcctctacc tgttctctgag cgtttgcttt gtcagcctgg 480

ccatcctttc ggtgtctgcc attaatgtgg agcgctacta ttatgtggtc caccatgc 540

gctacgaggt gcgcatgaca ctagggtctg tggcctctgt gctgggtggc gtgtgggtaa 600

aggccctggc catggcgtct gtgccagtgt tgggaagggt ctactgggag gaaggagctc 660

ccagtgttaa cccaggctgt tctctccaat ggagccatag tgcctactgc cagctttttg 720

tggtggtctt tgctgttctt tacttcttgc tgcccttgat cctgatcttt gtggtctact 780

gcagcatgtt tcgagtggct cgcgtggctg ccatgcaaca tgggccgctg cccacgtgga 840
 tggagacgcc cgggcaacgc tctgagtctc tcagtagccg ctctactatg gtcactagct 900
 ccgggggtca tcagaccacc ccacaccgga cgtttggggg tgggaaggca gcagtgttcc 960
 tcctggctgt cgggggacag ttcttgcttt gttggttacc ctacttctct ttccatctct 1020
 atgttgccct gagcgctcag cccatttcaa caggacaggt ggagaatgtg gtgacctgga 1080
 tcggctactt ttgcttcaact tccaaccctt ttttctatgg atgtctcaac cgtcagatcc 1140
 ggggcgagct tagcaaacag tttgtctgtt tcttcaaggc agctccagag gaggagctga 1200
 gggtgccgag tcgcgagggc tccatcgagg agaatttctt acagtttctc cagggtacat 1260
 ctgagaactg ggtttctcgg cccctaccca gccctaagcg ggagccaccg cctgctgttg 1320
 actttcgaat cccaggccag attgctgagg agacctcgga gttcttgag cagcaactca 1380
 ccagcgacat catcatgtcg gacagctacc tccgtcctgc cccttcacca aggctggagt 1440
 catgatggac agacactagg agggaataag gcttggggct ggtttatcat ctcaaggatt 1500
 gcttttccag ctggctgggg tttggactcg ggtctctgga cttagctttt gtgtggtgtt 1560
 tcctgggtca ggaccagagt caacgggatg gacatgtggc aaaaagcctt ggacttggct 1620
 gtgatctttg actattgggg gagggatcct gggatgggtg agacgggtgat gagagaaaag 1680
 ggtgacaaaag gtgagggaaa gcctttctac cagtgaactc ttcgtgcctc aggagacagg 1740
 gcaacttctg ggtaggcatt ggagcagcag gctaggagca gttattctgg ggaccgttga 1800
 ggtttacttc tttccagtgt catagtccag actaatatct atactgagac aaggtaagaa 1860
 aatggcccac atcttctcat ttgctaacta ggttaaaaaa aaaaaaaaaa 1909

<210> 4
 <211> 449
 <212> PRT
 <213> Rattus norvegicus
 <400> 4

Met Glu Ser Ser Pro Ile Pro Gln Ser Ser Gly Asn Ser Ser Thr Leu
 1 5 10 15
 Gly Arg Ala Leu Gln Thr Pro Gly Pro Ser Thr Ala Ser Gly Val Pro
 20 25 30
 Glu Leu Gly Leu Arg Asp Val Ala Ser Glu Ser Val Ala Leu Phe Phe
 35 40 45
 Met Leu Leu Leu Asp Leu Thr Ala Val Ala Gly Asn Ala Ala Val Met
 50 55 60
 Ala Val Ile Ala Lys Thr Pro Ala Leu Arg Lys Phe Val Phe Val Phe
 65 70 75 80
 His Leu Cys Leu Val Asp Leu Leu Ala Ala Leu Thr Leu Met Pro Leu
 85 90 95
 Ala Met Leu Ser Ser Ser Ala Leu Phe Asp His Ala Leu Phe Gly Glu
 100 105 110

Val Ala Cys Arg Leu Tyr Leu Phe Leu Ser Val Cys Phe Val Ser Leu
 115 120 125
 Ala Ile Leu Ser Val Ser Ala Ile Asn Val Glu Arg Tyr Tyr Tyr Val
 130 135 140
 Val His Pro Met Arg Tyr Glu Val Arg Met Thr Leu Gly Leu Val Ala
 145 150 155 160
 Ser Val Leu Val Gly Val Trp Val Lys Ala Leu Ala Met Ala Ser Val
 165 170 175
 Pro Val Leu Gly Arg Val Tyr Trp Glu Glu Gly Ala Pro Ser Val Asn
 180 185 190
 Pro Gly Cys Ser Leu Gln Trp Ser His Ser Ala Tyr Cys Gln Leu Phe
 195 200 205
 Val Val Val Phe Ala Val Leu Tyr Phe Leu Leu Pro Leu Ile Leu Ile
 210 215 220
 Phe Val Val Tyr Cys Ser Met Phe Arg Val Ala Arg Val Ala Ala Met
 225 230 235 240
 Gln His Gly Pro Leu Pro Thr Trp Met Glu Thr Pro Arg Gln Arg Ser
 245 250 255
 Glu Ser Leu Ser Ser Arg Ser Thr Met Val Thr Ser Ser Gly Ala His
 260 265 270
 Gln Thr Thr Pro His Arg Thr Phe Gly Gly Gly Lys Ala Ala Val Val
 275 280 285
 Leu Leu Ala Val Gly Gly Gln Phe Leu Leu Cys Trp Leu Pro Tyr Phe
 290 295 300
 Ser Phe His Leu Tyr Val Ala Leu Ser Ala Gln Pro Ile Ser Thr Gly
 305 310 315 320
 Gln Val Glu Asn Val Val Thr Trp Ile Gly Tyr Phe Cys Phe Thr Ser
 325 330 335
 Asn Pro Phe Phe Tyr Gly Cys Leu Asn Arg Gln Ile Arg Gly Glu Leu
 340 345 350
 Ser Lys Gln Phe Val Cys Phe Phe Lys Ala Ala Pro Glu Glu Glu Leu
 355 360 365
 Arg Leu Pro Ser Arg Glu Gly Ser Ile Glu Glu Asn Phe Leu Gln Phe
 370 375 380
 Leu Gln Gly Thr Ser Glu Asn Trp Val Ser Arg Pro Leu Pro Ser Pro
 385 390 395 400
 Lys Arg Glu Pro Pro Pro Ala Val Asp Phe Arg Ile Pro Gly Gln Ile
 405 410 415
 Ala Glu Glu Thr Ser Glu Phe Leu Glu Gln Gln Leu Thr Ser Asp Ile
 420 425 430
 Ile Met Ser Asp Ser Tyr Leu Arg Pro Ala Pro Ser Pro Arg Leu Glu
 435 440 445
 Ser

<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 5
taatggcaga caccgaaagg atggc

25

<210> 6
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 6
gctgacaaaag caaacgctca ggaac

25

<210> 7
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 7
tcgaaagtca acagcaggcg gtggctcccg cttagggctg ggtagggg

48

<210> 8
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 8
gcggctactg agagactcag agcgttgccg gggcgtctcc atccacgt

48

<210> 9
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 9
gcctctacct gttcctga

18

<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 10
tttaccacaca cgcccacc

18

<210> 11
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 11
tggccctctt cttcatgctc c

21

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Primer

<400> 12
ttcaccacaca caccaccag

20